



75 Suttle Street Durango, CO 81303 970.247.4220 Phone 970.247.4227 Fax www.greenanalytical.com

31 December 2013

Mike England Town Of Rico PO Box 9 Rico, CO 81332

RE: Comp. Corrosivity

Enclosed are the results of analyses for samples received by the laboratory on 12/17/13 11:35. If you need any further assistance, please feel free to contact me.

Sincerely,

Debbie Zufelt

Reports Manager

Deldin Zufett

All accredited analytes contained in this report are denoted by an asterisk (\*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. Our NELAP accreditation can be viewed at www.tceq.texas.gov/field/qa/lab\_accred\_certif.html.

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water.

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water



dzufelt@greenanalytical.com p. 970 247 4220 f. 970 247 4227 75 Suttle Street Durango, CO 81303

www.GreenAnalytical.com

Town Of Rico

Project: Comp. Corrosivity

PO Box 9 Rico CO, 81332 Project Name / Number: [none]
Project Manager: Mike England

Reported: 12/31/13 12:33

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
8 Est Soda St.	1312128-01	Water	12/17/13 08:30	12/17/13 11:35
Silver Creek Plant	1312128-02	Water	12/17/13 09:00	12/17/13 [1:35
Rico Well #1	1312128-03	Water	12/17/13 09:05	12/17/13 11:35

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Deldie Zufett



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Town Of Rico

Rico CO, 81332

Project Comp Corrosivity

PO Box 9

Project Name / Number: [none]

Reported:

Project Manager: Mike England

12/31/13 12:33

## 8 Est Soda St.

## 1312128-01 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
Alkalinity, Total*	268	10.0		mg/L	2	12/27/13	2320 B		ABP
Langlier Index	0.630			[blank]	ŧ	12/31/13	Calc		DJZ
pH*	7.66			pH Units	ι	12/18/13	EPA150.1		MJV
TDS*	270	10.0		mg/L	l	12/20/13	EPA160.1		JAW
Temperature	20.0			"C	ı	12/31/13	Calc		DJZ
Total Recoverable Metals by ICP (E200.7)							<u></u> .		
Calcium*	91.2	1.00	0.004	mg/L	1	12/19/13	EPA200.7	•	JGS

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Project: Comp. Corrosivity

PO Box 9

Project Name / Number:: [none]

Reported:

Project Manager: Mike England

12/31/13 12:33

## Silver Creek Plant

# 1312128-02 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
Alkalinity, Total*	123	10.0		mg/L	1	12/27/13	2320 B		ABP
Langlier Index	0.470			[blank]	1	12/31/13	Caic		DJZ
pH*	8.14			pH Units	ı	12/18/13	EPA150.1		MJV
TDS*	90.0	10.0		mg/L	ı	12/20/13	EPA160.1		JAW
Temperature	20.0			"C	ı	12/31/13	Calc		DJZ
Total Recoverable Metals by ICP (E200.7	)								_
Calcium*	39.2	1.00	0.004	mg/L	1	12/19/13	EPA200.7		JGS

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Rico CO, 81332

Project: Comp. Corrosivity

PO Box 9

Project Name / Number: [none]

Reported:

Project Manager: Mike England

12/31/13 12:33

# Rico Well #1

# 1312128-03 (Water)

Analyte  General Chemistry  Alkalinity, Total*	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
Alkalinita Tatals									
Amaninity, I diai"	302	10.0		mg/L	2	12/27/13	2320 B		ABP
Langlier Index	0.420			[blank]	ι	12/31/13	Calc		DJZ
pH*	7.36			pH Units	1	12/18/13	EPA 150.1		MJV
TDS*	327	10.0		mg/L	1	12/20/13	EPA160 I		JAW
Temperature	20.0			°C	1	12/31/13	Calc		DJZ
Total Recoverable Metals I	oy ICP (E200.7)								
Calcium*	105	1.00	0.004	mg/L	ı	12/19/13	EPA200.7		JGS

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# General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B312198 - General Prep - Wet Chem								144		11062
Blank (B312198-BLK1)		1000		Prepared: 1	12/19/13 A	nalyzed: 13	2/20/13			11
TDS	ND	10.0	mg/L							
Duplicate (B312198-DUP1)	Sou	rce: 1312122-	-01	Prepared: 1	12/19/13 A	nalyzed 1:	2/20/13			
TDS	290000	10.0	mg/L		291000			0.654	20	
Reference (B312198-SRMI)				Prepared: 1	12/19/13 A	nalyzed. 1.	2/20/13			
TDS	1120	10.0	mg/L	1090		102	85-115			
Batch B312222 - General Prep - Wet Chem										
Duplicate (B312222-DUP1)	Sou	rce: 1312120-	-01	Prepared &	Analyzed	12/18/13				
pH	8.36		pH Units		8.37			0.120	20	
Reference (B312222-SRM1)				Prepared &	Analyzed	12/18/13				
pH	8.65		pH Units	8.93		96.9	90-110			
Batch B312242 - General Prep - Wet Chem										
Blank (B312242-BLK1)	10.70			Prepared &	Analyzed:	12/27/13				
Alkalinity, Total	ND	10.0	mg/L		-					
LCS (B312242-BS1)			200	Prepared &	Analyzed:	12/27/13				
Alkalinity, Total	103	10.0	mg/L	100		103	85-115			
LCS Dup (B312242-BSD1)				Prepared &	: Analyzed:	12/27/13				
Alkalinity, Total	102	10.0	mg/L	100		102	85-115	0.976	20	

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# Total Recoverable Metals by ICP (E200.7) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B312185 - Total Recoverable	, Direct Analysis E20	D.7/E200.8								
Blank (B312185-BLK1)				Prepared &	: Analyzed	12/19/13				
Calcium	ND	1.00	mg/L						-	
LCS (B312185-BS1)				Prepared &	: Analyzed:	12/19/13				
Calcium	4.52	1.00	mg/L	5.00		90.4	85-115			
LCS Dup (B312185-BSD1)				Prepared &	Analyzed:	12/19/13				
Calcium	4.60	1,00	mg/L	5.00		92.0	85-115	1.70	20	,

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Project Name / Number: [none]

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## Notes and Definitions

Project Manager: Mike England

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

\*Results reported on as received basis unless designated as dry.

RPD Relative Percent Difference

LCS Laboratory Control Sample (Blank Spike)

RL Report Limit

MDL Method Detection Limit

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The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within

thirty days after completion of the applicable service.

eldie Zufett



Client: 7			
own ARica	Analytical Laboratories	GAREEN	

# CHAIN OF CUSTODY RECORD

NOTES:

1) Ensure proper container packaging.

Contact: mike Kristen

Address:

POBOX9

Rice C 8002

2) Ship samples promptly following collection.

3) Designate Sample Reject Disposition.

Project Name: Corresivity Analysis .

Phone Number: 974-967-2563

Email: Town renacero rice colored and

6 = Waste, 7 = Other (Specify)

I = Surface Water, 2 = Ground Water Table I. - Matrix Type

Samplers Signature: M. A.C.

3 = Soil/Sediment, 4 = Prod.W., 5 = Oil

FOR GAL USE ONLY 312-128 GAL JOB#

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\* Sample Reject: [ ] Return [ ] Dispose [ ] Store (30 Days)